	Application No.	Applicant(s)	
	Application No. Applicant(s)		
Notice of Allowability	09/673,473	CURRY ET AL.	
none of financial may	Examiner	Art Unit	
	Rebecca L Anderson	1626	i
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in or other appropriate commu IGHTS. This application is so	this application. If not include inication will be mailed in due	ed course, THIS
1. This communication is responsive to the amendment filed	24 June 2003.		
2. \(\times \) The allowed claim(s) is/are 1, 3, 5-7 and 13-17.			
3. \square The drawings filed on <u>24 June 2003</u> are accepted by the E	xaminer.		
4. ☑ Acknowledgment is made of a claim for foreign priority unc a) ☑ All b) ☐ Some* c) ☐ None of the:	ler 35 U.S.C. § 119(a)-(d) or	(f).	
 Certified copies of the priority documents have 	been received.		
2. Certified copies of the priority documents have	been received in Application	n No	
 Copies of the certified copies of the priority dod International Bureau (PCT Rule 17.2(a)). 	cuments have been received	in this national stage applicat	ion from the
* Certified copies not received:			
5. Acknowledgment is made of a claim for domestic priority ur			
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Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of the complete of the comple			
7. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which gives reas			OTICE OF
 8. ☐ CORRECTED DRAWINGS must be submitted. (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No 	son's Patent Drawing Review	v (PTO-948) attached	
(b) ☐ including changes required by the proposed drawing of	correction filed . which	h has been approved by the E	xaminer.
(c) ☐ including changes required by the attached Examiner'			
Identifying indicia such as the application number (see 37 CFR 1. each sheet.	84(c)) should be written on the	e drawings in the front (not the	back) of
9. DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT FOR TI			lote the
Attachment(s)			
1 ☐ Notice of References Cited (PTO-892) 3 ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 5 ☐ Information Disclosure Statements (PTO-1449), Paper No 7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	4⊠ Interview 6⊠ Examiner	Informal Patent Application (F Summary (PTO-413), Paper I 's Amendment/Comment 's Statement of Reasons for A	No. <u>0911</u> .

DETAILED ACTION

Claims 1, 3, 5-7 and 13-17 are pending in the instant application, appear allowable over the prior art of record and are renumbered as claims 1-10. Claims 2, 4, 8-12 and 18-21 are cancelled below by the examiner's amendment and claim 16 is amended to add correct punctuation and correct the claim dependency.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jerald Meyer on 11 September 2003.

The application has been amended as follows:

- 1. Cancel claims 2, 4, 8-12 and 18-21.
- 2. Amend claim 16 to read as follows by adding a period at the end of the sentence after the structure and changing the dependency from "5, 7 or 8" to --7, 14 or 15--:

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16. (currently amended) The method according to any one of claims 7, 14 or 15 wherein said compound is

3. Amend page 19 of the instant specification, beginning on line 6, by inserting the following:

Brief Description of the Drawing

Figure 1: The actions of a compound of the invention as an antagonist of PI hydrolysis evoked through the mGluR1 receptor by 10 μ M (L)-Glu.

Drawings

The drawings were received on 24 June 2003. These drawings are acceptable.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance. This invention relates to cubane compounds of the formula (I) as found in claim 1, their methods of preparation and their methods of modulating one or more metabotropic glutamate receptor functions to treat certain neurological diseases or disorders and certain

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psychiatric diseases or disorders. Support for the modulation of one or more metabotropic glutamate receptor functions is found on pages 17 and 18 of the instant specification which discloses that the compounds of the invention can block the increase in PI hydrolysis by an action at the mGLuR1a receptor. Support for the treatment of the specifically claimed neurological and psychiatric diseases and disorders can be found on pages 3 and 4 of the instant specification which discloses the correlation between modulating metabotropic glutamate receptor functions and neurological and psychiatric diseases and disorders, for example, page 3 of the specification discloses:

Trans-ACPD has been shown to increase release of dopamine in the rat brain, which indicates that compounds acting on the mGLuRs might be usable for the treatment of Parkinson's disease and Huntington's Chorea (Sacaan et al., J. Neurochemistry 59, 245, 1992).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Rebecca L. Anderson whose telephone number is (703) 605-1157. Mrs. Anderson can normally be reached Monday through Friday 7:00AM to 3:30PM.

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If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Mr. Joseph McKane, can be reached at (703) 308-4537.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone numbers are (703) 308-1235 and (703) 308-0196.

A facsimile center has been established. The hours of operation are Monday through Friday, 8:45AM to 4:45PM. The telecopier numbers for accessing the facsimile machine are (703) 308-4242, (703) 305-3592, and (703) 305-3014.

Rebecca Anderson Patent Examiner Art Unit 1626, Group 1620 Technology Center 1600 Joseph McKane Supervisory Patent Examiner Art Unit 1626, Group 1620 Technology Center 1600